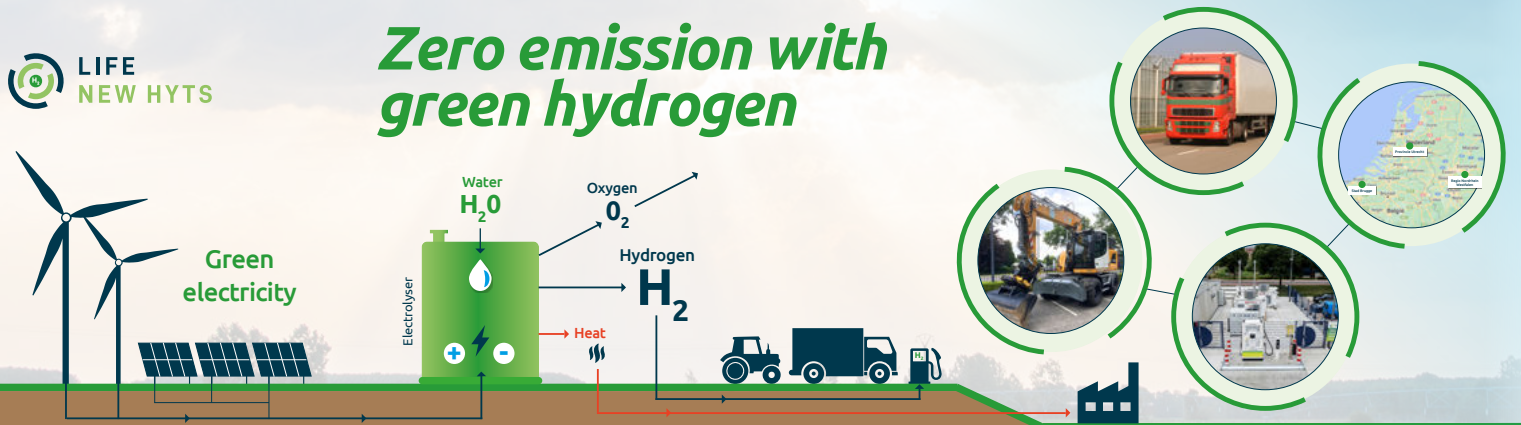


- 🔹 Hydrogen can play a crucial role in problems surrounding grid congestion due to storage of renewable energy.
- 🔹 The development of hydrogen is important as an energy carrier in mobility, especially for heavy-duty transport.
- 🔹 Green hydrogen avoids the greenhouse gas emissions significantly.
- 🔹 European Union (EU) target: climate neutral in 2050
  - Net emissions of greenhouse gasses 55% reduced compared to 1990
  - At least 40% renewable energy



### Covenant hydrogen in mobility province Utrecht

The province of Utrecht is the most important transport hub of the Netherlands and the region has the highest transport density. In order to stimulate hydrogen in the transport sector, the province of Utrecht launched the Hydrogen in Mobility Utrecht Province Covenant also known as 'Waterstof Utrecht'.

In the province we are working to create a basic network of infrastructure for hydrogen in mobility. We are collaborating on a regional level and have voiced our collective ambitions in the form of a covenant. The signatories can contribute to the goals by, for example, purchasing or offering hydrogen-powered vehicles, sharing knowledge, providing financial means, or supporting the daily execution of the project. Through goal-oriented collaboration we can accelerate the transition to zero emission transportation and the hydrogen chain for mobility.

### Ambitions

The parties contribute directly or indirectly to the realisation of the goals in the period 2022-2025. With

that the province makes a 10% contribution to the national ambition in the climate agreement.

### Signatories

Over 120 parties have joined the covenant so far to make mobility in the region more sustainable.

### Cooperation with the region and abroad

- ▶ Sharing knowledge and experiences on regional production, distribution, and the use of hydrogen in Utrecht
- ▶ Sharing knowledge with other regions, such as Bruges/West-Flanders in Belgium and North Rhine Westphalia in Germany

### Approach

- Conversations with (potential) signatories
- Connecting entrepreneurs
- Sharing knowledge
- Solving bottlenecks
- Contacting municipalities and security regions
- Organising company visits
- Connecting demand and supply

### 5-10 hydrogen refuelling stations

The first two public hydrogen refuelling stations in the province of Utrecht have meanwhile been realised in Nieuwegein and Amersfoort. Currently, there are 7 initiatives ongoing within the province to place new hydrogen refuelling stations between 2023-2025. Achieving this objective is therefore within reach.



### 300 hydrogen-powered heavy-duty transport vehicles

In various places trucks are being converted to run on hydrogen. We continue to see them more and more on the Dutch roads. We are particularly committed to matching supply and demand. In addition, we are discussing subsidy arrangements with the government as that is still a major challenge.



### 1500 lighter hydrogen-powered vehicles

There are currently over 500 hydrogen-powered passenger cars in the Netherlands. Delivery vans and vans for passenger transport are in production and can now be ordered. Lobbying for subsidy arrangements to make the purchase of a hydrogen-powered car as attractive as possible is also one of the parts of the covenant.



### 1-2 hydrogen-powered vessels

The Netherlands currently has one hydrogen-powered inland shipping vessel. In autumn of this year the second hydrogen vessel follows, which will sail on the Amsterdam–Rhine Canal. Some more signatories have plans to purchase a hydrogen-powered inland shipping vessel. We are working on connecting entrepreneurs and participating within international networks such as RH2INE.



### 2-5 hydrogen-powered (touring) buses

Several companies in the province of Utrecht have plans for the production and use of hydrogen-powered buses, including public transport, touring buses, and target group transport. We connect entrepreneurs with each other, and we stimulate hydrogen to be included in the provincial public transport concession.



### Hydrogen Education Centre Utrecht

Several training centres are located in the province of Utrecht that are working on education on hydrogen for drivers and mechanics. All knowledge and expertise on hydrogen, from technology to safety, will be collected and shared in the Hydrogen Education Centre, which is yet to be set up.



Do you have questions about hydrogen in mobility? View the help desk on the website!



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